THE MINISTER OF POWER (SHRISUSHILKUMAR SHINDE): (a) The Government of Chhattisgarh has been requesting for higher allocation from Central Sector Stations on various grounds.

(b) The requirement of power in a State is met by its own generation, allocation from Central Generating Stations and import of power from other states. During the period April, 2007 to January, 2008, the power supply position of Chhattisgarh was as under:

	Energy (MU)	Peak Demand (MW)
Requirement	11,547	2,266
Availability	10,974	2,038
Shortage	573	228
%	5%	10.1%

The energy Shortage in the Western Region in the same period was 14.7% and the Peak Shortage was 23.3%. Chhattisgarh State is a Constituent of the Western Region.

There were power cuts/restrictions on HT industries in Chhattisgarh during January 2008 with a average demand cut of 50 MW for 24 hrs. for 1 day in the week and energy cut of 0.07 MU/day on HT industries from 1700 hrs. to 2100 hrs. The supply to agricultural sector was 24 hrs per day on three phase during January '08.

(c) Presently, Chhattisgarh has been allocated 363 MW firm share and 37 MW unallocated power from the Central Generating Stations of the Western Region, along with an assistance of 21 MW from the NTPC stations in the Eastern Region. During the period April, 2007 to January, 2008, energy to the tune of 2480 MUs was scheduled to the State of Chhattisgarh from the Central Generating Stations. Unit 4 (500 MW) of Sipat Thermal Power Station Stage-II of NTPC in Chhattisgarh had been-awaiting regular operation of the Unit since a few months on account of lack of availability of water from the host State. The firm allocation of Chhattisgarh State from thsi Unit is 79 MW. This has deprived the State and the Western Region from the utilization of generateable power at a time when the region is facing severe power shortage.

Schemes for future power requirements

† SHRI PYARELAL KHANDELWAL: Will the Minister of POWER be pleased to state:

whether it is a fact that energy needs in the country is projected to increase fivefold during the next 20—25 years;

if so, the details thereof; and

the details of the schemes formulated or proposed to be formulated to meet the energy needs of the country?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) and (b) The Expert Committee on the Integrated Energy Policy brought out by Planning Commission in August, 2006 project energy requirement upto 2031-32 for GDP growth rates at 8% and 9%. The projections are given below:

† Original notice of the question was received in Hindi.

	Total Energy Requirement (.BU) GDP Growth Rate	
	8%	9%
2011-12	1097	1167
2016-17	1524	1687
2021-22	2118	2438
2026-27	2866	3423
2031-32	3880	4806

(c) Formulation of programmes/schemes to cater to the growing energy needs of the country is an on-going process. During the course of Eleventh Plan, schemes aggregating over 78,500 MW have been identified for commissioning. In addition, 14,000 MW is envisaged through renewable energy sources. The Working Group on Coal, and Lignite for formulation of Eleventh Five Year Plan has envisaged indigenous availability of 680 million tones of coal in 2011-12 though various schemes to be implemented by various stakeholders. The Working Group on Petroleum and Natural Gas for Eleventh Plan has projected production of crude oil to the tune of 206.76 Million Metric Tonnes, and projected production of Natural of Natural Gas to the tune of 224.6 Billion Cubic Meters during the course of Eleventh Plan.

Power situation

428. DR. V. MAITREYAN: Will the Minister of POWER be pleased to state:

the total demand of power in the country, State-wise;

the total generation of power in terms of thermal/hydel/nuclear and wind power in the country; State-wise;

the total shortfall in the power generation; and

whether new power projects have been approved and if so, the details of new power plants coming up across the country?

THE MINISTER OF POWER (SHRI SUSHIL KUMAR SHINDE): (a) The State-wise details of energy requirement and peak demand of power during the period April, 2007 to January, 2008 are given in Statement—I *(See* below).

The total power generated in the country during the current financial year (April, 2007 to January, 2008) was 586 Billion k Bh (BU) comprising 458 BU from Thermal, 14.2 BU from Nuclear 108.8 BU from hydro and 5.0 BU import from Bhutan. The State-wise details in this regard are given in Statement—U *(See* Below). The State-wise details of Latest available (2006-07) generation of power from wind trubines is given in Statement—III *(See* Below).

During the period April, 2007 to January, 2008 there was a marginal shortfall in power generation to the tune of 1.90 BU in the country which is 0.3% of the programmed generation for the period.

Under the Electricity Act, 2003, only hydro-electric projects require concurrence of the Central Electricity Authority (CEA). Four (4) hydro electric schemes namely Rangit Stage-IV (120 MW), Lower Jurala (240 MW), Pare (110 MW) and Dibang (3000 MW), aggregating 3470 MW have been concurred in by CEA during the current financial year (April, 2007 to January, 2008), Projects aggregating over 66,000 MW are presently under execution. The details of diese projects are given in Statement IV, V *&* VI.